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ABSTRACT

Summarized in this pamphlet are the U.S. Office of Education grants for 1972 in the field of environmental education. Grants were made in each of the 50 States, the District of Columbia, Puerto Rico, and Micronesia. Among the 162 grants totaling $2,999,040.00, most were made under the Environmental Education Act (P.L. 91-516), though some were funded under P.L. 90-35 (the Education Professions Development Act) and one was awarded under the Cooperative Research Act (P.L. 83-531). Tabulated by regions and States, the breakdown indicates Region V (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin) received the greatest cash total and had the highest number of funded proposals--31. Among individual States, New York and California were the sources of the most proposals (214 and 194), received the most awards (12 and 11), and the greatest cash totals ($206,900 and $205,250). Tables indicate awards by region and State, categories (workshops; statewide evaluation and dissemination; pilot projects--personnel training, community awareness, instruction and curriculum, evaluation and dissemination), comparisons with 1971 awards, and types of organizations funded. The final compilation lists each project individually, giving its complete title, name of director, name of organization and address. (BL)

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ENVIRONMENTAL EDUCATION
REPORTS

U.S. OFFICE OF EDUCATION GRANTS FOR ENVIRONMENTAL EDUCATION

1972

Compiled by

U.S. Office of Education
Environmental Education Office

ERIC Center for
Science, Mathematics, and
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SE 014 950

September, 1972

162 GRANTS MADE FOR ENVIRONMENTAL EDUCATION

Among 162 grants totaling $2,999,040.00 for environmental education projects announced in late June 1972 by U. S. Commissioner of Education, Sidney P. Marland, Jr., were eleven for statewide evaluation and dissemination.

The eleven states receiving such awards included Alabama, Colorado, District of Columbia, Hawaii, Massachusetts, Michigan, Minnesota, New Hampshire, North Carolina, Texas, and Wisconsin.

Most of the 162 were made under the Environmental Education Act (P.L. 91-516), though some were funded under P.L. 90-35 (the Education Professions Development Act) and one was awarded under the Cooperative Research Act (P.L. 83-531). Grants were made in each of the 50 states, the District of Columbia, Puerto Rico, and Micronesia.

Range of awards, based on preliminary estimates which are subject to negotiation, is $900 to $60,000. The average per project is $18,544, while the median award is for $13,600.

A breakdown by regions and states indicates that O.E. Region V received the greatest cash total, $510,540, and had the highest number of funded proposals, 31 (Table I). Among individual states, New York and California were the sources of the most proposals (214 and 194, respectively), received the most awards (12 and 11), and the greatest cash totals ($206,900 and $205,250).

Table I: FISCAL YEAR 1972 ENVIRONMENTAL EDUCATION AWARDS

Region	State	Proposals Submitted	Proposals Funded	$ Funded per State	$ Funded per Region
I	Massachusetts	52	6	$ 82,300	
	Connecticut	47	4	61,900	
	N. Hampshire	15	5	67,800	
	Vermont	12	3	39,000	309,000
	Maine	9	1	44,000	
	Rhode Island	5	1	14,000	
II	New York	214	12	206,900	
	New Jersey	53	3	53,200	280,100
	Puerto Rico	7	1	20,000	
III	Pennsylvania	76	7	172,000	
	W. Virginia	11	1	12,500	
	Delaware	9	2	28,000	
	Virginia	27	5	44,400	364,650
	Maryland	28	1	20,000	
	Dist. Columbia	32	6	87,750	
IV	Florida	47	5	124,000	
	Georgia	26	3	74,500	
	N. Carolina	29	2	66,000	
	Kentucky	17	2	23,500	380,000
	Alabama	26	2	52,000	
	Mississippi	16	1	8,000	
	Tennessee	18	2	24,000	
	S. Carolina	6	1	8,000	

Region	State	Proposals Submitted	Proposals Funded	$ Funded per State	$ Funded per Region
V	Ohio	52	4	$ 96,500	
	Indiana	23	7	81,800	
	Illinois	24	7	127,440	
	Minnesota	42	6	78,300	510,540
	Michigan	62	2	67,000	
	Wisconsin	39	5	59,500	
VI	Texas	37	3	49,200	
	Louisiana	9	1	25,000	
	Arkansas	3	2	65,750	253,950
	Oklahoma	15	2	77,000	
	N. Mexico	7	1	37,000	
VII	Nebraska	8	1	18,000	
	Iowa	17	1	5,800	
	Missouri	25	2	60,000	94,800
	Kansas	6	1	11,000	
VIII	Colorado	38	4	139,000	
	Utah	8	1	13,600	
	Wyoming	4	1	9,000	
	S. Dakota	5	1	26,000	268,600
	N. Dakota	12	2	34,000	
	Montana	17	3	47,000	
IX	California	194	11	205,250	
	Nevada	9	1	5,500	
	Hawaii	11	2	33,500	
	Trust Terr.	1	1	25,500	293,700
	Arizona	16	2	23,950	
X	Washington	39	3	75,500	
	Idaho	11	2	19,000	248,200
	Oregon	40	5	68,000	
	Alaska	11	2	85,700	

Among grants of particular interest are:

To the Center for Research and Education of Denver, Colorado, for provision of technical assistance to state environmental education planning groups;

To the Center for Curriculum Design of Evanston, Illinois, for nationwide dissemination to environmental educators through regional workshops;

Eleven programs directed at minority groups (four Black, four Indian, and three Spanish-speaking);

Eleven awards to special groups and institutions (five population, two architectural, and four museums);

Thirty-one refunded applications from among 51 Fiscal Year 1971 grantees reapplying.

In all, 33 awards were made for workshops, 11 for state evaluation and dissemination, 11 for personnel training, 25 for community awareness, 66 for instruction and curriculum, and 16 for evaluation and dissemination (Table II).

Table II:. FISCAL YEAR 1972 ENVIRONMENTAL EDUCATION AWARDS, BY CATEGORY, AS COMPARED TO FISCAL YEAR 1971 AWARDS

CATEGORIES	1972 E.E. AWARDS # Of Awards	1971 E.E. AWARDS # Of Awards
Type A: Workshops	33	36
Type B: Statewide Evaluation and Dissemination	11	5
Type C: Pilot Projects		
Personnel Training		
(A) Inservice Educational Personnel	4	1
(B) Inservice Noneducational Personnel	4	1
(C) Preservice Educational Personnel	1	-
(D) Preservice Noneducational Personnel	1	1
(E) Government Personnel	1	1
Total Personnel Training	11	4
Community Awareness		
(F) School-Community Models	1	1
(G) Environmental Education Centers	14	6
(H) Citizen Participation Projects	10	11
Total Community Awareness	25	18
Instruction and Curriculum		
(I) Elementary & Secondary Programs	7	1
(J) Supplementary Materials	18	1
(K) Curriculum Development	38	8
including Media Projects (K_2)	3	
Total Instruction and Curriculum	66	10
Evaluation and Dissemination		
(L) General Evaluation	1	1
(M) Dissemination: Information Dissemination	12	0
(N) Dissemination: Information Clearinghouse	3	0
Total Evaluation and Dissemination	16	1
GRAND TOTAL	162	74

Thirty-four awards were made to institutes of higher education, eleven of them private institutions. In addition, 29 local education agencies, 29 private (or other) organizations, and 26 private environmental organizations were funded (Table III).

Table III: FISCAL YEAR 1972 ENVIRONMENTAL EDUCATION AWARDS, BY TYPE OF ORGANIZATION FUNDED

Type of Organization	# of Awards	$ Funded
Institutes of Higher Education	34	599,900
Private/Other	29	497,450
Local Education Agencies	29	486,000
Private Educational Organization	11	381,750
Private Environmental Organization	26	376,850
Public Agencies and Organizations	7	194,940
State Education Agencies	6	176,950
Museums	4	111,800
Community Colleges/Vocational Education Schools	9	87,300
Private Elementary and Secondary Schools	4	56,600
Public Libraries	3	29,500
TOTAL	162	2,999,040

A listing by state of the projects awarded grants includes:

ALABAMA

Development of written supplementary curriculum materials for the elementary level. Joanne Jordan, Southern Union State Junior College, Wadley 36276.

Statewide evaluation and dissemination. John W. Bloomer, Chairman, Alabama Environmental Quality Association, P. O. Box 11000, Montgomery 36111.

ALASKA

Development of a process curriculum for utilization in Indian communities. William Johnson, Bristol Bay Area Native Assn., Box 48, Dillingham 99576.

Development of a process to provide technical assistance for grades K-12. Lawrence Hill, Alaska State Department of Education, Pouch F, Juneau 99801.

ARIZONA

Pilot workshops in desert ecology for teachers and community leaders. Dr. Charles Coston, Tucson Audubon Society, P.O. Box 3981, Tucson 85717.

Development of supplemental curriculum materials for use in Indian schools and communities. John Schneider, Rough Rock Demonstration School, Chinle 86503.

ARKANSAS

Development of television programs and follow-up workshops for the general public. Dr. Bessie Moore, Department of Education, Little Rock 72201.

Training inservice educational personnel serving grades K-12. Dr. Bessie Moore, Department of Education, Little Rock 72201.

CALIFORNIA

Development of a process curriculum for the community. Daniel Pollack, Ecology Action Educational Institute, Box 3895, Modesto 95352.

Establishment of an information house that will serve as an interface between business and environmental organizations. Patrick H. Heffernan, Environmental Information Clearinghouse, Inc., 2179 Allston Way, Berkeley 94704.

Development of a process curriculum for secondary level. Jerry Kindred, Shelter Institute, 149 Ninth Street, San Francisco 94103

Development of a process curriculum for inservice teacher training. Richard Johnson, San Luis Obispo County Office of Education, 2156 Sierra Way, San Luis Obispo 93401.

Development of process curriculum for the elementary level utilizing the urban environment as an educational resource. Edward Gans, Open Space, Inc., 423-28th Avenue, Venice 90291.

Training students to carry out community environmental education activities. F. Bruce Steward, San Bernadino Valley College, 701 S. Mt. Vernon Avenue, San Bernadino 92403.

Development of a community environmental education center. Philip W. Marking, Community Environmental Council, Inc., 15 W. Anapamu Street, Santa Barbara 93104.

Manual on the development of schoolyards as outdoor classrooms. Richard Altimari, Huntington Beach Union High School District, 1902 17th Street, Huntington Beach 92648.

Development of curriculum materials for grades K-12. Mrs. Helen A. James, San Juan School District, 3738 Walnut Avenue, Carmichael 95608.

Development of curriculum materials for the elementary level based on the concept of the city as a waste producing organism. William D. Whiteneck, City Unified Sacramento School District, 1619 N. Street, Sacramento 95814.

Development of a process curriculum for cross-age education. Quentin Bryan, Santa Rosa City Schools, 211 Ridgeway Avenue, Santa Rosa 95401.

Training pre-service and in-service teachers in an interdisciplinary approach to environmental education. William Curran, Jefferson Union High School District, Daly City 94015.

COLORADO

Development of a process curriculum for community colleges focusing on the analysis of urban educational institutions. David Braman, Denver Community College, 1001 E. 62nd Avenue, Denver 80216.

Development of process curriculum for grades K-12. Alton Cowan, Jefferson School District, Lakewood 80215.

Statewide Evaluation and Dissemination. Vincent Cyphers, Chairman, Colorado Master Advisory Planning Council, c/o Richard Rocchio, Center for Research and Education, Denver 80222.

Provision of technical assistance to state environmental education planning organizations. Vincent Cyphers, Chairman, Colorado Master Advisory Planning Council, c/o Richard Rocchio, Center for Research and Education, Denver 80222.

Training inservice education personnel serving grades K-12. Richard Casebeer, Northern Colorado Educational BOCES, 1750-30th Street, Suite 48, Boulder 80901.

CONNECTICUT

Development of a process curriculum for the secondary level. Medill Bair, Hartford Board of Education, 249 High Street, Hartford 06103.

Development of written supplemental curriculum materials for the elementary level. William R. Barrs, Preston Board of Education, RFD #1, Norwich 06360.

Development of written supplemental curriculum materials focusing on environmental values and their foundations in theology, philosophy, ethics, and environmental science. Philip Joranson, Faith-Man-Nature Group, Cider Mill Road, Andover 06232.

Training inservice educational personnel serving inner-city elementary schools. Marshal Case, Connecticut Audobon Society, 2325 Burr Street, Fairfield 06430.

DELAWARE

Development of curriculum materials for grades K-12 focusing on population as it relates to the environment. Thomas S. Hounsell, Alexis I. Dupont School District, 4031 Kennett Pike, Greenville 19807.

Development of curriculum materials for use in formal and non-formal education activities. John F. Reiher, State Department of Public Education, Townsend Building, Dover 19901.

DISTRICT OF COLUMBIA

Statewide evaluation and dissemination. Reuben Pierce, Co-chairman, William Sanders, Co-chairman, Planning Committee for Environmental Education for D.C., Washington, D.C. c/o Tyron C. Brown, The Washington Urban League, Inc., 415-12th Street, N.W., Washington 20004.

Training urban environmental education personnel. N. Hampton, National Wildlife Federation, 1416-16th Street, N.W., Washington 20036.

Development of supplemental curriculum materials for education in the field of law. Nina D. Small, Antioch School of Law, 1145 19th Street, N.W., Washington 20036.

Development of written supplemental curriculum materials for the community. Mrs. Paul Ignatius, Concern, Inc., 2233 Wisconsin Avenue, N.W., Washington 20007.

Development of slide-tape supplemental curriculum materials for the elementary level. Dr. Carl A. Troester, American Association for Health, Physical Education and Recreation (NEA), 1201-16th Street, N.W., Washington 20036.

Translation of existing National Park Service and NEA publications into Spanish and French. John Bryant, National Park Foundation, C Street Bet. 18th and 19th, N.W., Washington 20240.

Supplemental curriculum material for secondary schools in population education. Christian N. Ramsey, Jr., Population Education, Inc., 1050 Potomac Street, N.W., Washington 20007.

FLORIDA

Development of an urban environmental education center. Tee Greer, Dade County Public Schools, 1410 N.E. 2nd Avenue, Miami 33156.

Training community members to introduce environmental education in their schools and communities. Hal Scott, Florida Audubon Society, P.O. Drawer 7, Maitland 32751.

Development of supplemental curriculum materials for the secondary level focusing on environmental ethics. Rodney F. Allen, Florida State University, 426 Hull Drive, Tallahassee 32306.

Development of supplemental curriculum materials based on an "Environmental Quality Index" for Southwest Florida. Roy Bazire, Sanibel-Captiva Conservation Foundation, P.O. Box 25, Sanibel 33957.

Development of curriculum materials for the secondary level. Dr. R. F. Mines, National Association for Environmental Education, 11011 S.W. 104th Street, Miami 33156.

GEORGIA

Development of environmental education programs in grades K-12. Lewis S. Shelton, Fernbank Science Center, 156 Heaton Park Drive, N.E., Atlanta 30307.

Development of a process curriculum for the secondary level. Jarvis Barnes, Atlanta Public Schools, 224 Central Avenue, S.W., Atlanta 30303.

Development of written supplemental curriculum materials for the elementary level. Dr. Everett T. Keach, University of Georgia, 130 Fain Hall, Athens 40405.

HAWAII

Development of a process curriculum for the secondary level involving students in community education. Dr. James Jarpstrite, Pacific and Asian Affairs Council, 2004 University Avenue, Honolulu 96822.

Statewide evaluation and dissemination. Siegfried Ramler, Citizens' Committee for Environmental Education, c/o Meyer Bogust, Office of Environmental Quality Control, Office of the Governor, State Capitol, Room 436, Honolulu 96813.

IDAHO

Workshops focusing on environmental problems of the county. Kenneth Kinucan, Sun Valley Creative Arts Center, Inc., Box 181, Sun Valley 83353.

Development of a process curriculum for rural community leaders. H. Sydney Duncombe, Bureau of Public Affairs Research, University of Idaho, Moscow 83843.

ILLINOIS

Development of curriculum materials for training of inner-city educational personnel. Daniel H. Perlman, Roosevelt University, 430 S. Michigan Avenue, Chicago 60606.

Nationwide dissemination to environmental educators through regional workshops. Noel F. McInnis, Center for Curriculum Design, 823 Foster Street, Evanston 60204.

Development of community based curriculum materials for use in rural elementary schools. Thomas A. Shea, School District #115, S. Mercer Street, Princeton 61356.

The design of a curriculum process for community education. Gary K. Kratz, Winnebago County Soil and Water Conservation District, 3820 Auburn Street, Rockford, Illinois 61103 (Winnebago County Conservation Education Council)

Training in-service personnel serving intermediate and secondary schools. Malcolm Swan, Northern Illinois University, Box 299, Taft Field Campus, Oregon 61061.

Development of a process curiculum for urban community leaders. Ted Andrews, Governors' State University, College of Environmental and Applied Sciences, Park Forest South 60466.

Development of outdoor environmental education center program serving inner-city residents. Donald Benedict, Community Renewal Society, 13315 Pleasant Valley Road, Woodstock 60098.

INDIANA

Training citizens to serve as community environmental education instructors. B. J. McGuiness, Marion County Tuberculosis and Respiratory Disease Association, 615 N. Alabama Street, Indianapolis 46204.

Development of a process curriculum for grades K-12. Ray Lockwood, Marion Community Schools, P.O. Box 808, Marion 46952.

Workshops involving the establishment of a rural environmental education program. Mazine Batman, Vincennes and Knox Public Libraries, 502 North 7th Street, Vincennes 47591.

Development of 12th grade curriculum materials dealing with population and its relation to the environment. Jerry L. Brown, Box F, Indiana University Foundation, Bloomington 47401.

Development of an adult education course in environmental education. Dr. Willis Johnson, Indiana Academy of Science, Wabash College, Crawfordsville 47933.

Development of a process curriculum for community members. Dave Johnson, Marian College, Development and College Relations, 3200 Cold Spring Road, Indianapolis 46222.

Development of environmental workshop formats for use in summer camps. Glen Catlin, American Camping Association, Inc., Bradford Woods, Martinsville 46151.

IOWA

Development of an environmental education Center at a Community College to serve the entire community. Michael E. Thede, Iowa Central Community College, 330 Avenue M, Fort Dodge 50501.

KANSAS

Development of a process curriculum for family education. Dwight R. Platt, Bethel College, North Newton 67117.

KENTUCKY

Dissemination of resource materials to public schools and businesses. Jerry Howell, Morehead State University, Morehead 40351.

Development of a process curriculum for inservice training of adults involved in environmental activities. Charles E. Kupchella, Bellarmine College, 2000 Norris Place, Louisville 40205.

LOUISIANA

Development of curriculum materials for training inservice teachers to use art as an approach to environmental education. Raymond Mesler, Louisiana Council for Music and Performing Arts, Inc., 611 Gravier Street, New Orleans 70130.

MAINE

Demonstration model of statewide participation in the solution of a simulated environmental crisis through television programming. John Morison, Maine Public Broadcasting Network, Orono 04473.

Community intern program for training preservice elementary and secondary teachers. Maurice E. Littlefield, University of Maine at Portland-Gorham, College Avenue, Gorham 04038.

MARIANAS ISLANDS (TRUST TERRITORY)

Development of environmental materials for community colleges. R. Burl Yarberry, Community College of Micronesia, Trust Territory of the Pacific Islands, Saipan, Marianas Islands 96950.

MARYLAND

Development of supplementary curriculum materials for the elementary level. Tom Wisner, Natural Resources Institute, Chesapeake Biological Laboratory, University of Maryland, College Park 20740.

Training inservice education personnel serving grades K-12. Mr. Forest Lawton, Baltimore City Public Schools, 2519 N. Charles Street, Baltimore 21218.

MASSACHUSETTS

Statewide evaluation and dissemination. Charles E. Roth, Massachusetts Advisory Committee on Conservation Education, Massachusetts Audubon Society, South Great Road, Lincoln 01773.

Development of curriculum materials for use in formal and non-formal activities. Charles E. Roth, Massachusetts Audubon Society, South Great Road, Lincoln 01773.

Student development of a process curriculum for the Community. Ronald C. Broman, West Bridgewater Student Conservation Group, Inc., P.O. Box 259, West Bridgewater 02379.

Development of a process curriculum to be used by museums for elementary education. Donald Schall, The Cape Cod Museum of Natural History, Rt. 6A, Brewster 02631.

Development of a process curriculum for community leaders. Paul Buckley, North Shore Community College, 3 Essex Street, Beverly 01915.

Development of a TV program for dissemination to the general public. David Ives, WGBH Educational Foundation, 125 Western Avenue, Boston 02134. (For WGBY-Springfield)

MICHIGAN

Implementation of an overall environmental education program affecting both school and community. B. C. VanKoughnett, School District of the City of Pontiac, 350 Wide Track Drive E., Pontiac 48058.

Statewide evaluation and dissemination. William Stapp, Chairman, Task Force on Environmental Education, c/o Mr. James Kellogg, Office of the Governor, State Capitol Building, Lansing 48903.

MINNESOTA

Develop supplemental curriculum materials for use by the general public. Julia Copeland, Minneapolis Public Library, 300 Nicollet Mall, Minneapolis 55401.

Dissemination of curriculum materials to the community. Diane Legg, Environmental Library of Minnesota, Inc., 1222-4th Street, S.E., Minneapolis 55414.

Training teachers and community organizations to utilize environmental education techniques and materials. James H. Leslie, Minnesota Environmental Science Center, 5400 Glenwood Avenue, Minneapolis 55422.

Development of a process curriculum for the community. Marilyn J. Feser, Minnesota Environmental Control Citizens' Association, 26 E. Exchange, St. Paul 55101.

Training inservice education personnel at the university level. Rory N. Vose, Biology Department, St. Mary's College, Winona 55987.

Statewide evaluation and dissemination. Robert E. Collins, Chairman, Minnesota Environmental Education Council, c/o Ronald J. Laliberte, State Department of Education, St. Paul 55101

MISSISSIPPI

Development of a process curriculum based on integrated pest control. Fowden Maxwell, Entomology Department, Mississippi State University, P.O. Box EM, State College 39762.

MISSOURI

Development of written supplemental curriculum materials for industrial workers. Penelope Royse, Committee for Environmental Information, Environment Magazine, 438 N. Skinker Boulevard, St. Louis 63130.

Development of written supplemental curriculum materials for the secondary level. Dorothy Cottrell, Committee for Environmental Information, Environment Magazine, 438 N. Skinker Boulevard, St. Louis 63130.

MONTANA

Development of a process curriculum for the elementary level. Geoffrey G. Foote, Falls Creek Environmental Education Foundation, Rt. 6, E. Rattlesnake, Missoula 59801.

Development of a process curriculum for a rural community. Martha Anne Dow, American Association of University Women, 3023 Stinson Avenue, Billings 59501.

Development of a process curriculum for the public in an 18 county rural area. Torlief Aasheim, Montana State University, Cooperative Extension Service, Bozeman 59715.

NEBRASKA

Development of educational services at a natural environmental education center. James Malkowski, Fontenelle Forest Association, 111 Bellevue Boulevard, N., Bellevue 68005.

Training teachers serving the secondary level. Donald W. McCurdy, 211 Henzlik Hall, University of Nebraska, Lincoln 68508.

NEVADA

Training inservice education personnel serving the secondary level. Richard G. Miller, Forestia Institute for Ocean and Mountain Studies, Box 620, R.R. 1, Carson City 89701.

NEW HAMPSHIRE

Development of a process curriculum with students serving as community instructors. Robert B. Todd, Piscataquog Watershed Association, Old Francestown Road, New Boston 03070.

Development of a process curriculum for grades K-12 utilizing volunteer aids. (Vermont C.D. 01) Roland M. Miller, Hanover-Norwich-Vermont Dresden School Districts, Lebanon Street, Hanover 03755.

Development of written supplemental curriculum materials for use by high school classes and community residents. Richard Wolfson, Kearsarge Regional High School, North Sutton 03260.

Statewide evaluation and dissemination. William B. Ewart, Chairman, Environmental Education Planning Council, c/o Paul O. Bofinger, Society for the Protection of New Hampshire Forests, 5 South State Street, Concord 03301.

Development of a process curriculum for the secondary level. James W. Morrison, St. Anselm's College, Manchester 03102.

NEW JERSEY

Training inservice education personnel serving the elementary level. Norma Klein, Brookdale Center for Environmental Management, Brookdale Community College, Lincroft 07738.

Development of curriculum materials for pre-service training of college teachers. Dr. Helen B. Warrin, Seton Hall College, 400 S. Orange Avenue, South Orange 07079.

Development of curriculum materials for the secondary level. James A. Kimple, South Brunswick Township Public Schools, West New Road, Monmouth Junction 08852.

NEW MEXICO

Development of a process curriculum for use in secondary Indian schools. Abe Plummer, Ramah Navajo High School, Box 248, Ramah 85321.

NEW YORK

Development of written supplemental curriculum materials for communities. Grace Pleasants, Girl Scouts of the USA, 830 Third Avenue, New York 10022.

Development of a process curriculum for urban secondary schools. Sister Patricia Hartigan, Brooklyn Diocesan School System, St. Nicholas High School, Brooklyn 11211.

Training inservice non-educational personnel serving the elementary level. William Bet, Wave Hill, Inc., 675 W. 252 Street, Bronx.

The development of an urban environmental education center. Donald Mathis, Pratt Institute, 215 Ryerson Street, Brooklyn 11205.

The design and testing of a curriculum process K-12. Michael Prescott, Educational Broadcasting Corporation, 314 West 58th Street, New York 10019.

Development of media materials for use by a museum and aimed at elementary students. Catherine Pessino, American Museum of Natural History, Central Park and 79th Street, New York 10024.

Development of a process curriculum for suburban secondary schools. Richard E. Bamberger, Schodack Central School District, Maple Hill High School, Castleton-on-the Hudson, New York 12033.

Development of curriculum materials for the intermediate level. Dr. William DeLucia, East Syracuse/Minoa Central School District #1, Administration Building, 407 Fremont Road, East Syracuse 13057.

Pilot community seminars for all ages focusing on water quality. Mrs. Richard Smith, Southern Tier Girl Scout Council, 171 N. Place, Corning 14830.

Development of a process curriculum for the secondary level centering around solid waste disposal. Nichalas Caruso, Larchmont Chamber of Commerce, 99 Boston Post Road, Larchmont 10538.

Development of pilot workshops for school and community based upon the ecology of a river. Helene Duffy, Hudson River Sloop Restoration, Inc., P.O. Box 25, Cold Spring 10516.

Development of curriculum materials for training government officials and members of environmental commissions. Paul D. Marr, Research Foundation, State University of New York, Box 7126, Albany 12224.

Training teachers and volunteer personnel serving the secondary level. Dr. John Morganit, State University College at Buffalo, Psychology Department, 1300 Elmwood Avenue, Buffalo 14222.

NORTH CAROLINA

Development of curriculum materials based on the relationship between population and the environment for use by community colleges. Art Hurow, University of North Carolina, Chapel Hill 27514.

Statewide evaluation and dissemination. Dr. E. L. Rankin, Jr., Chairman, Environmental Education Task Force, c/o Dr. Leigh H. Hammond, Department of Administration, Office of the Governor, Raleigh 27602.

NORTH DAKOTA

Development of Indian-oriented curriculum materials for use in Indian schools, grades K-12. Denis Huber, United Tribes of North Dakota Development Corporation, Box 139, 420 N. 4th Street, Bismarck 58501.

Development of a process for disseminating to rural communities media materials dealing with the relationship between population and the environment. David E. Walsh, Fargo-Moorehead Chapter, Zero Population Growth, Box 2691, Fargo, North Dakota 58102.

OHIO

Training secondary teachers in the use of interdisciplinary approach to the relationship between population and the environment. Judith Schultz, University of Cincinnati, 9555 Plainfield Road, Cincinnati 45236.

Demonstration of a model secondary program using the monitoring of a watershed as a vehicle for environmental education. Joseph Chadbourne, Institute for Environmental Education, 8911 Euclid Avenue, Cleveland 44106.

Training students and teachers in the Tilton approach to environmental studies. Lowell F. Bernard, Cleveland Health Museum, 8911 Euclid Avenue, Cleveland 44106.

Pilot volunteer based environmental clearinghouse to coordinate local environmental education activities and disseminate environmental information to the local community. Ann Thomas, Environmental Clearinghouse, Inc., One Stranahan Square, Toledo 43603.

Training student teacher teams from twenty elementary and secondary schools to serve as environmental education facilitators in their respective schools. Lee R. McMurrin, Toledo Public Schools, Elm and Manhattan Streets, Toledo 43608.

OKLAHOMA

Development of TV discussion programs and follow-up kits for dissemination to the general public. Daniel Blanchard, The American Institute of Discussion, P.O. Box 103, Oklahoma City 73101.

Training members of a national organization to serve as volunteer community environmental education instructors. Gary McNaught, United States Jaycees Foundation, Box 7, Tulsa 74102.

OREGON

Development of environmental education programs in both formal and non-formal education institutions. Donald Stotler, Portland State University, Environmental Education Center, Box 751, Portland 97207.

Development of a switchboard to coordinate local environmental education activities and disseminate environmental information. Lawrence Williams, The Oregon Environmental Council, Inc., 4315 W. Corbett, Portland 97201

Development of a manual on the use of the outdoor environment as an educational resource for intermediate students. Robert Sesar, School District #1-Multnomah County, 631 N.E. Clackamas Street, Portland 97208.

A demonstration of an outdoor activity oriented curriculum process for secondary students. Tim Ash, School District #1-Multnomah County, 631 N.E. Clackamas Street, Portland 97208.

Development of a center for coordination of environmental education activities in a tri-county area. Donald Stotler, Portland State University, Environmental Education Center, Box 751, Portland 97207

PENNSYLVANIA

Develop computerized supplemental materials that will simulate various air pollution conditions. Matthew Reilly, Carnegie-Mellon University, Pittsburg

Development of written supplemental curriculum materials for grades K-12 in the form of a field guide. Charles Yost, University City Science Center, 3508 Science Center, Philadelphia 19104.

Development of a process curriculum for the secondary level. Ms. Sandra Raymond, Tuberculosis and Health Society of Northeast Pennsylvania, 415 N. Washington Avenue, Scranton 18503.

Development of curriculum materials for team teaching at the secondary level. Elizabeth Gillian, Lower Merion School District, Montgomery Avenue and Church Road, Ardmore, Pennsylvania 19003.

Evaluation of selected environmental education process curriculum at the secondary level. Dr. Donald L. Wright, Montgomery County Intermediate Unit #23, Colony Office Building, Rt. 73 and Butler Pike, Blue Bell 19422.

Nation-wide dissemination of urban environmental materials to elementary-secondary educational personnel. Alan Levy, Group for Environmental Education, Inc., 1214 Arch Street, Philadelphia 19107.

Implementation of an overall environmental education program affecting both school and community. Carole Baldino, Northeastern Pennsylvania Educational Television Association, P.O. Box 4444, Scranton 18509.

PUERTO RICO

Development of a process curriculum for the intermediate level. Cruz A. Matos, Environmental Quality Board of Puerto Rico, Box 11785, Santurce 00910.

RHODE ISLAND

Development of a process curriculum for the general public. Mary E. Durfee, Girl Scouts of Rhode Island, Inc., 333 Grotto Avenue, Providence 02906.

SOUTH CAROLINA

Development of a process curriculum for the community. Mrs. W. Croft Jennings, Columbia Environmental Coalition, Box 4701, Columbia 29201.

SOUTH DAKOTA

Development of a process curriculum for community leaders in a model rural development district. J. O. Young, South Dakota State University, Brookings 57006.

Training inservice educational personnel serving grades K-12 and higher education. Dr. Don Barnhart, Department of Public Instruction, State Capitol Building, Pierre 57501.

TENNESSEE

Development of supplemental curriculum materials for use at the secondary level focusing on pesticide use. Courtland Randall, Oak Ridge Associated Universities, Oak Ridge 37830.

Development of a process curriculum involving college students in community work. Dr. Adrian Marie Hofstetter, LeMoyne-Owen College, 807 Walker Avenue, Memphis 38126.

TEXAS

Development of written supplemental curriculum materials for use by the general public. Mrs. Margaret Warren, Dallas Public Library, 1954 Commerce Street, Dallas 75201.

Statewide evaluation and dissemination. Charles W. Nix, Interim Chairman, Texas Advisory Council on Environmental Education, c/o Ed Grisham, Office of the Governor, P.O. Box 12428, Capital Station, Austin 78711.

Development of a process for training university inservice educational personnel. Harold Box, University of Texas, FAIA, Department of Architecture, Arlington 76010.

UTAH

Development of a curriculum process for Mexican-American students at the secondary level. La Mont Jensen, Davis County School District, 45 East State Street, Farmington 84025.

VERMONT

Development of a process curriculum for government employees. John Horsley, Bolton Institute, 139 Main Street, Brattleboro 05301.

Development of an urban environmental education center to serve both schools and the community. Frederick Melvil, Fairbanks Museum of Natural Science, 83 Main Street, St. Johnsbury 05819.

Pilot workshops to encourage conservation groups to make their resources available to local schools. Seward Weber, Vermont Natural Resources Council, 97 State Street, Montpelier 05602.

VIRGINIA

Pilot workshops for community leaders, teachers and students aimed at increasing the environmental understanding of the total community. M. G. Goodpasture, Ferrum College, Ferrum 24088.

Development of process curriculum for use in both schools and community. Dr. Charles W. Blair, Environmental Education Council, c/o Madison College, Harrisonburg 22801.

Pilot workshops promoting communication between young adults and the traditional conservation-environmental community. J. W. Penfold, Izaak Walton League of America, Inc., 1800 N. Kent Street, Suite 806, Arlington 22209.

Development of curriculum materials based on the analysis of a natural area for use at the intermediate level. John Trott, Burgundy Farm Country Day School, 7710 Old Dominion Drive, McLean 22101.

Workshops for leaders of national organizations on how to use horticultural knowledge for local environmental improvement. O. Keister Evans, American Horticultural Society, 901 N. Washington Street, Suite 304, Alexandria 22314.

WASHINGTON

Development of a college environmental education center devoted to inservice environmental education training activities and the dissemination of environmental curriculum materials. John Miles, Huxley College, Division of Western Washington State College, Bellingham 98225.

Development of curriculum materials for grades K-12 using a broadly-based socio-ecological approach. Larry Squire, Edmonds School District #15, 3800-196th, S.W., Lynnwood 98036.

Development of a process curriculum for the elementary level, using a school site and local community as an educational resource. Norman V. Letson, South Central School District #406, 4640 S. 144th, Seattle 98168.

Training preservice educational personnel through active teaching experiences in local public schools. John A. Green, Central Washington State College, Ellensburg 98926.

WEST VIRGINIA

Development of written supplemental curriculum materials for grades 6-12. Dr. Charles Wales, West Virginia University, Freshman Engineering Program, Morgantown 26506.

WISCONSIN

Statewide evaluation and dissemination. William C. Kahl, Chairman, Wisconsin Environmental Education Council, c/o David C. Engleson, University of Wisconsin Extension, Madison 53706.

Training vocational, technical and adult education teachers. Robert Sorensen, Board of Vocational, Technical and Adult Education, District #10, Moraine Park Technical Institute VTEA, 235 N. National Avenue, Fond-du-Lac 54935.

Training inservice high school teachers together with their students in an interdisciplinary approach to environmental education. Reverend Melvin Tracy, John F. Kennedy Prep. School, Box 109, Nazianz 54323.

The development of media materials for community environmental education. Dr. Richard Presnell, University of Wisconsin at Green Bay, Green Bay 54302.

Development of a process curriculum for public employees engaged in water and sewage treatment plant operations. Arthur H. Cothran, Wisconsin Vocational, Technical and Adult Education, District #18, 1019 S. Knowles Avenue, New Richmond 54017.

WYOMING

Development of a process curriculum for the community. Joe Lutjeharms, Laramie County School District #1, School Administration Building, Cheyenne 82001.